

## Recommendations/Actions:

Reviewing the action items of the last meeting in Budapest, it was noted that

- a data base of measurements is still missing,
- detailed characteristics of measurement devices are needed
- intercalibrations at CERN were organised but not all investigators take part of this activities

Two measurement campaigns were performed at CERN and one with monoenergetic neutrons of different energies at PTB, Germany. The evaluation of the experiments is in progress.

### The following actions were agreed

#### 1) To establish a data base consisting of

- In-flight Measurements
- Calibrations
- table of instruments (characteristics)
- new instrument developments

#### 2) Preparation of calibrations

A group was established to coordinate the calibrations

Members are: Rudolf Beaujean, Tom Borak, Kazunobu Fujitaka, Jack Miller and G. Reitz

As a first approach the calibration program shall include following particles and energies:

Particles	Energies
Protons	10 MeV-800 MeV (5steps TBD)
Heavy Ions	50MeV/n –1 GeV/n (Alpha, C, Si, Fe)
Electrons	0.5 MeV – 10 MeV (3-4 steps)
Neutrons	1-70 MeV (3-4 steps) and 180 MeV monoenergetic CERN reference field

#### 3) Compilation of presentations of the 4<sup>th</sup> workshop

All presented papers shall be sent as hardcopy or preferable as email attachment to Daniel Heynderickx who will prepare an internet page for the WRMISS papers

#### 4) Next meeting

The next meeting will be organized by Daniel Heynderickx. The meeting is planned to take place in September 2000 in Louvain-La-Neuve, Belgium in the week starting with Sept 11.

## **5) Recommendations**

An update of common models, establishing of a data base in a common format, intercalibration of instruments, improvement of active and personal dosimeter measurements along with depth dose measurements inside human phantoms and advanced instrumentation for neutron measurement as urgently recommended in the 3<sup>rd</sup> workshop form again the major recommendations of this workshop.

The participants feel that especially an improvement of electron models is urgently needed to allow projection of EVA doses. Very important is the performance of an intercalibration program to clearly establish the characteristics of the measurement devices.